Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 30-04-16

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
16	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint							
	For chainlink fencing							
	West		1	30.00		1.75	52.50	
			1	22.25		1.75	38.94	
			1	30.00		1.75	52.50	
			1	1.70		1.75	2.98	
	North		1	30.00		1.75	52.50	
			1	30.00		1.75	52.50	
			1	6.25		1.75	10.94	
	East		1	2.90		1.70	4.93	
			1	30.00		1.70	51.00	
			1	3.90		1.70	6.63	
	Between play area		1	23.00		1.35	31.05	
						Present Qty	**356.46**	**Sqm**
						Limitted to	**356.40**	**Sqm**

Checked,
E.E. (Project)

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Asst. Executive Engineer

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 30-04-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
17	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop							
	For chainlink fencing							
	West		16	2.70			43.20	
			10	3.60			36.00	
	North		20	2.70			54.00	
	East		12	2.70			32.40	
	Play area		10	2.20			22.00	
			2	26.00			52.00	
						Present Qty	**239.60**	**m**

Checked
E.E. (Project)

Contractor

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 30-04-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
18	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of							
	For chainlink fencing							
	West		3	30.00			90.00	
			3	22.25			66.75	
			3	30.00			90.00	
			3	1.70			5.10	
	North		3	30.00			90.00	
			3	30.00			90.00	
			3	6.25			18.75	
	East		3	2.90			8.70	
			3	30.00			90.00	
			3	3.90			11.70	
	Play area		1	26.00			26.00	
						Present Qty	**587.00**	**m**

checked.

E.E. rectified 7/18

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 02-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
19	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications, specification. No. KBS 2.10.2 (BCSR 2016-2017, Page 6, Item No 2.13)							
	Children Play area							
			1	8.00	14.75	0.12	14.16	
						Present Qty	**14.16**	**Cum**

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 05-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
20	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)							
	Entrance		1	3.20		2.80	8.96	
						Present Qty	**8.96**	**Sqm**
						Limitted to	**7.20**	**Sqm**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division.
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05								
Date of Measurement : 08-06-17								
Detailed Measurements								
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
21	Supply and fixing of special Multiplay system. This system compromises of 3 slides which are made of virgin LLDPEwhich is of size 1. Two 1200 mm wavey slide -2238mm x 920 mm x 2382 mm,both the slides have got an in built exit panel which is must as it provides extra safety to children . 2. One 1500 spiral slide - 2146 mm x 1623 mm x 2490 mm, the slide has got a exit rod which is amust as it provides extra safety for children. The 1500 mm slide has a rectangular deck of size 959 mm x 650 mm x 80 mm. Material : Virgin LLDPE which is UV							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 08-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
22	Supply and fixing of special Multiplay system. This system compromises of - a B ladder Climber which is made up of Galvanized steel which is of size 635 mm x 582 mm x 2598 mm and is connected to exit door which is also made up of galvanized steel which is of size 990 mm x 32 mm x 1454 mm. It consists of Rock climber which has climbing pegs size 150 mm x 75 mm x 98 mm which is bolted on a plate which is made of steel and of size 700 mm x 20 mm x 1680 mm. The system has a tunnel which connects the rock climber deck and the B-ladder							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 11-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
23	Providing and fixing granite benches as per design, specification and fixing as per the directions of the engineer in charge.							
			10				10.00	
						Present Qty	**10.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Item No	Detailed Measurements Discription of Item		No	Length	Breadth	Depth	Qty	Unit
24	Supply and fixing of Seated Chest Press. Metal: All tubular steel of 2.Smm thikness are galvanized and z inc dipped. Joints are Robotic welded. All welded joints t1H • scalloped as necessary and welded to an approved MIG process. All welds an• 111 csed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w 11lt1ing points prior to finishing. All metal parts are powder coated using AKZO Nobel (11 ca t Wall powder to the thickness of 80-120 microns. All metal parts are tested in rn 1r a lt spray machine that uses a 5% NaCl solution in accordance to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handle!,,Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely Prt' ,ssembled equipment modules. Maintenance: Maintain according to EN 166630 and the maintenance guide. Safety: All products must be tested and certified to mt•(•lEN16630 safety standards with GS test mark. The EN 16630,certificates must be issued by a reputed notified international certifying agency such as IPEMA, 1UV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party.All products must clearly display the GS inark as has been issued in the EN16630 safety certificates. All products must carry n GS mark :in it.. Size_ L x W x H): 1955 x 733 x 2058 mm. Weight : 86.6 Kg Safety Arc:.1: 5545 x 4470 mm Capacity: 2 Persons							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
25	Supply and fixing of Self Weighted Rower. Metal: All tubular steel of 2.Smm thit.kness are galvaniied and zinc dipped. Joints are Robotic welded. All welded joiflts arc scalloped as necessary and welded to an approved MIG process. All welds arc dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our sa lt S'PI,ray machine.that uses a 5% NaCl solution in accordance to IS07227 to speed up3 c_6rrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintain according to EN 16630 and the maintenance guide. Safety:All products must be tested and certified to meet EN16630 safety standards only by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS. The GS Mork• EN16630 Certificates must be in the name of tendering party and not any 3rd p;:11 ty All products must carry a GS mark on it.. Size_L x W x H}: 1390 x 805 x 1100 mm. Weight: 42.4 Kg Safety Area: 3790 x 3205 mm Capacity_1 Person.							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer,
Project Division,
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
26	Supply and fixing of Elliptical Cross Trainer. Metal: All t\jbular steel of 2.Smm thickness are galvanized and zinc dipped. Joints are RClbotic welded. All weldecl 1oints a re scalloped as necessary and welded to an approve(j MIG process. All welds .i re dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at .ill the welding points prior to finishing. Alt metal parts are PCl\vder coated using AKZO Nobel Great Wall powder to the thickness of 80-120 microns. All metal parts are testecJ in our salt spray machine that uses a 5% NaCl solution iri ilccordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality €rip rubber is used for the handles. Bearings: Maintenance-free ball bearings. Scope of delivery: 1completely.pre-assembled equipment modules. Maintenance: Maintain according to EN 1G630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards w ith GS test mark.The EN 16630 certificates must be issued by a reputed notified international certifying agl!ncy uch as IPEMA,TUV ,CPSC, or SGS only .The GS Mark-EN16630 Certificates must be in the name of tendering party and not any 3rd party. The certificates must be attached with 1 he tender document. Alt products must clearly display tt) GS mark as has been i ued in the EN16630 safety certificates.							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
27	Supply and Fixing of Tai Chi Spinners . Metal: All tubular steel of 2.Smm thicknp<.s are galvanized and zinc dipped. Joints are Robotic welded. All welded joints are sc;illoped as necessa ry and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the w eldin points prior to finishing. All metal parts are powder coated using AKZO Nobel G reat Wall powder to the thickness of 80- 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to JS07227 to speeu up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance -free ball bearings. Scope of delivery: 1completely pre-assembled equipment modules. Maintena nce:Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUY, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. Thecertificates must be attached with the tender document . All products must clearly -display the GS mark as has been							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
28	Supply and fixing of HD Health Walker. Metal: All tubular steel of 2.Smm thickness are galvanized and zinc dipped. Joints are Robotic welded. All welded joint s arescalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a S% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Colour RAL 5019 Blue and RAL 1014 Beige Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance-free ball bea rings.11 Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EQ_and the maintenance guide.Safety: All productsmust be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV, CPSC, or SGS oniy. The GS Mark- EN16630 Certificates must be in the name of							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
29	Supply and fixing of HD Waist Twister: Metal : All tubular steel of 2.Smm thic k11ess are ga:vanized and zinc dipped. Joints are Robotic welded. All welded joints are scJlloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns.Al l metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up rrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles. arings : Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance : Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested and certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA,TUV, CPSC, or SGS only. The GS Mark- EN16630 Certificates must be in the name of tendering party and not any 3rd party. All products must clearly display the GS mark as has been issued in the EN16630							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
30	Supply and Fixing of Rider. Metal: All tubular steel of 2.smm thickness are galvd 1 ilzed and zinc dipped . Joints are Robotic welded. All weldect joints are scalloped as necessary and welded to an approved MIG proi;ess. .<\11 welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing.All metal parts are powder Clated using AKZO Nobel-G reat Wall powder to the thickness of 80-120 microns. All ll\etal parts are tested in our sa lt spray machine that uses a 5% NaCl solution in accorcJ<ince to 1507227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubher is used for the handles. 5 Bearings : Maintenance-free ball bearings...Scope of c:l livery: 1completely pre-assembled equipment modules. Maintenance: Maint<1in according to EN 16630 a nd the maintenance guide. Safety: Alf products must b tested and certified to meet EN16630 safety standards with GS test mark. The El\! 16630 certificates must be issued by a reputed notified international certifying agency such as IPEMA, TUV ,CPSC, or SGS only. The GS Mark-EN16630 Certificate must be in the name of tendering party and not any 3rd party. All							
	Entrance		1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Name of Work: Providing Chain link fencing for CA Land at 2nd phase Dr. Shivaram Karanth Nagar behind JNC Hostel and Near SWD in ward no. 05

Date of Measurement : 15-06-18

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
31	Supply and Fixing of Arm & Pedal Bike. Metal: All tubular steel of 2.Smm thickness a re galvanized and zinc dipped.Joints are Robotic welded.All welded joints are sca lloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer Paint is applied at all the welding points prior to finishing. All metal parts are powder coated using AKZO Nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCl solution in accordance to IS07227 to speed up corrosion for 3000 hrs. Rubber: High quality grip rubber is used for the handles.Bearings : Maintenance-free ball bearings.Scope of delivery: 1completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide.Safety : All products must be tested anEI certified to meet EN16630 safety standards only by a reputed notified international certifying agencv such as IPEMA,TUV, CPSC, or SGS. The GS Mark- EN16630 Certificates must be in t he name of tendering party and not any 3rd party.Size_L x W x H}: 830 x 500 x 1450 mm. Weight: 32 Kg Safety Area: 3830 x 2900 mm Capacity_ 1Persons.							
	Entrance							
			1				1.00	
						Present Qty	**1.00**	**Nos**

Contractor

Assistant Engineer

Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore